INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/15322

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01L21/3205, H01L21/768, H01L21/28, H01L21/285, H01L21/288, H01L29/06			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01L21/3205, H01L21/768, H01L21/28, H01L21/285, H01L21/288, H01L29/06, C23C18/00, C23C20/00			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app		Relevant to claim No.
х	JP 2002-329723 A (Fujitsu Ltc	1.),	1-8,11-17 9,10,18-26
Y	15 November, 2002 (15.11.02), Full text; Figs. 1 to 8 (Family: none)		J, 10, 10-20 _.
Y	JP 2001-283716 A (Toshiba Corp.), 12 October, 2001 (12.10.01), Full text; Figs. 1 to 8 (Family: none)		9,10,18-26
P,A	US 2003/0211724 A1 (TEXAS INSTRUMENTS INC.), 13 November, 2003 (13.11.03), Full text; Figs. 1 to 4 & JP 2004-6864 A Full text; Figs. 1 to 4		1-26
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			the application but cited to derlying the invention claimed invention cannot be ered to involve an inventive eclaimed invention cannot be by when the document is h documents, such in skilled in the art
Date of the actual completion of the international search 02 March, 2004 (02.03.04) Date of mailing of the international search 16 March, 2004 (16.03.04)			rch report
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Facsimile No.		Telephone No.	